MITSUBISHI MOTOR SALES OF AMERICA, Inc.

TECHNICAL SERVICE BULLETIN

SUBJECT:	NO.	TSB-93-54-003
HORN ADJUSTMENT	DATE	February, 1993
	MODEL	All, Except Precis

BACKGROUND INFORMATION

Recent warranty claims show a high incidence of unnecessary replacement of the horn assembly on some vehicles. Most of the time, a simple horn adjustment is all that is needed to correct many sound deficiencies, including:

— A sound volume that is too low.
— A sound volume that is too high.
— A horn producing no sound.

Before replacing the horn(s) on a vehicle, remember to perform the horn adjustment shown in this bulletin. Warranty information for removal and adjustment of the horn assembly can be found on page 3.

VEHICLES AFFECTED

All, except Precis. For horn adjustment on Precis, refer to Group 54 of the Precis Service Manual.

HORN REMOVAL AND ADJUSTMENT

1. Locate the horn(s). They can be found near the front of the vehicle, generally behind each headlight. All vehicles except Trucks have two horns, producing a dual pitch sound. Trucks have only one horn, producing a single pitch sound.
2. Use an assistant to press the horn button inside the vehicle. Determine which of the horns is not producing a satisfactory sound.
3. Remove the horn assembly from the vehicle. On most vehicles, it will be necessary to remove the front grill or other related body components to reach the horn.

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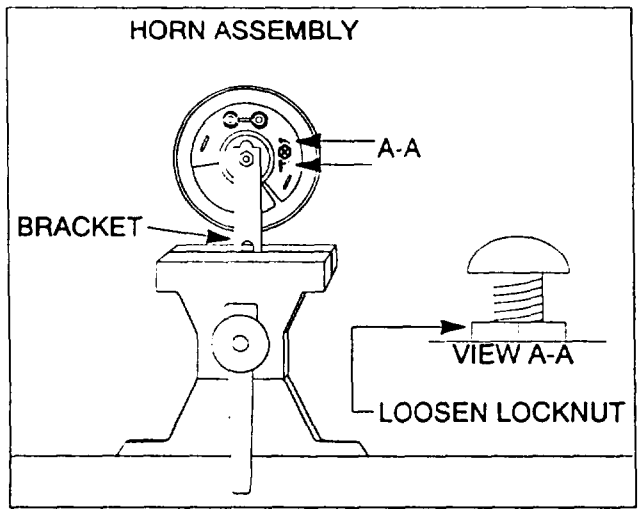
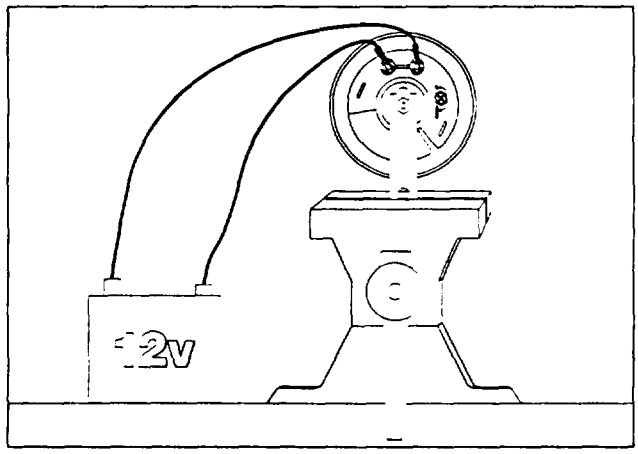
FILE UNDER: Group 54 Chassis Electrical in the Dealer Service Information Binder (1222)

CIRCULATE TO:
☐ GENERAL MANAGER ☐ PARTS MANAGER ☑ TECHNICIAN
☐ SERVICE ADVISOR ☑ SERVICE MANAGER ☐ WARRANTY PROCESSOR ☐ SALES MANAGER

4. Place the horn bracket in a table vise and loosen the locknut on the adjustment screw.

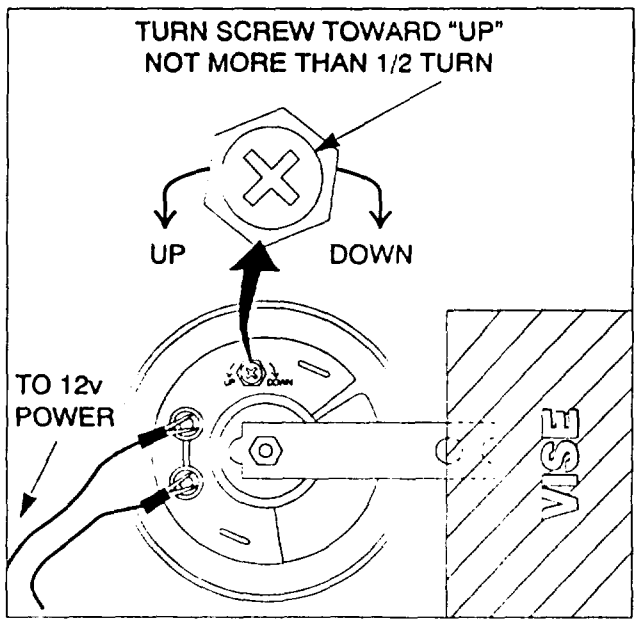


5. Connect a 12-volt power source to the horn and listen to the sound volume.



6. If the horn produces no sound, or if the sound volume is too weak, turn the adjustment screw toward the "UP" mark until a strong, clear pitch is obtained. Do not adjust the screw more than 1/2 turn "UP".

   When finished, carefully retighten the adjustment screw locknut without moving the adjustment screw.



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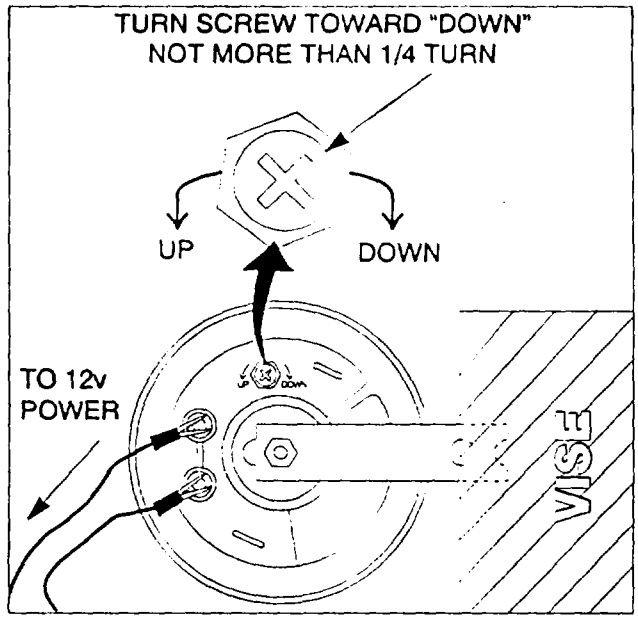
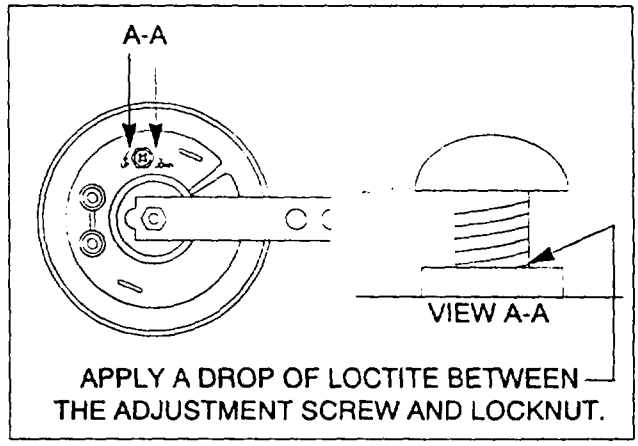
7. If the sound pitch seems too high, accompanied by a weak sound volume, turn the adjustment screw toward the "DOWN" mark until a strong, clear pitch is obtained. Do not adjust the screw more than 1/4 turn "DOWN".

   When finished, carefully retighten the adjustment screw locknut without moving the adjustment screw.

NOTE: After adjustment, if the horn volume or pitch remains at an unacceptable level, replace the horn assembly.



8. When adjustment is completed, place a drop of Loctite between the horn's adjustment screw and locknut to prevent the screw from turning.



9. Install the horn assembly along with other body components previously removed.

WARRANTY INFORMATION

Position Code: 544010
"Adjust" Labor Operation Code: 54401100
"Replace" Labor Operation Code: 54401110

For time allowances on specific vehicles, refer to the Labor Operations Time Schedules (LOTS) manual.

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